

In the claims:

1. (Once amended) A method for fabricating an insulating glazing unit comprising the steps of:

providing a first glazing sheet having a first perimeter;

connecting a spacer to the first glazing sheet at a location spaced inwardly from the first perimeter;

providing a second glazing sheet having a second perimeter;

connecting the second glazing sheet to the spacer such that the spacer is disposed at a location inward from the second perimeter whereby an outwardly-facing channel is formed between the glazing sheets and the spacer and an insulating chamber is formed inward of the spacer between the glazing sheets;

hermetically sealing the insulating chamber by applying a primary sealant into the outwardly-facing channel; the primary sealant being applied after the outwardly-facing channel is formed; and

applying a secondary sealant into the outwardly-facing channel after at least a portion of the primary sealant is applied.

6. (Once amended) The method of claim 5, further comprising the step of providing the spacer with a pair of notched corners.

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19. (Once amended) A method for sealing an insulating glazing unit having first and second glazing sheets spaced apart by a spacer disposed inward of the perimeters of the glazing sheets to form an outwardly-facing channel; the insulating glazing unit having an insulating chamber disposed inward of the spacer between the glazing sheets; the method comprising the steps of:

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hermetically sealing the insulating chamber by applying a primary sealant to at least the corners of the channel disposed adjacent the spacer and glazing sheets; the primary sealant being applied after the outwardly-facing channel is formed; and

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applying a secondary sealant in the outwardly-facing channel over the primary sealant; the secondary sealant being different from the primary sealant.

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26. (Once amended) A method of forming an insulating glazing unit comprising the steps of:

providing a first glazing sheet having a first perimeter;

connecting a metal spacer to the first glazing sheet at a location spaced inwardly from the first perimeter;

providing a second glazing sheet having a second perimeter;

connecting the second glazing sheet to the spacer such that the spacer is disposed at a location inwardly from the second perimeter whereby an outwardly-facing channel is formed between the glazing sheets and the spacer and an insulating chamber is formed inwardly of the spacer between the glazing sheets;

applying a primary sealant into the outwardly-facing channel to hermetically seal the insulating chamber; the primary sealant being applied after the outwardly-facing channel is formed; and

applying a secondary sealant over the primary sealant.